

Appln. of: Mielke  
Serial No.: 10/733, 768  
Filed: December 12, 2003

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AMENDMENTS TO THE CLAIMS

1. (Original) A method for the forming of components of complex shape by electrochemical material removal, in which, in the presence of an electrolyte, a linear oscillation of at least one of an electrode and a component to be machined is performed relative to the other, a circular oscillation of at least one of the electrode and the component to be machined is performed relative to the other, and a linear feed and a circular feed of at least one of the electrode and the component to be machined relative to the other are performed simultaneously, as well as simultaneously to at least one of the circular oscillation and the linear oscillation.
2. (Original) A method in accordance with Claim 1, wherein the linear oscillation and the linear feed are performed by the electrode and the circular oscillation and the circular feed are performed by the component to be machined.
3. (Original) A method in accordance with Claim 1, wherein a negative of the component to be machined is initially made by means of a sample workpiece serving as an electrode, said negative being used as a working electrode in series production, with said negative first being machined into the component to be

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machined in synchronous linear and circular oscillation and with at least one side surface of the component then being further formed by circular oscillation.

4. (Original) A method in accordance with Claim 1, wherein electrochemical material removal is performed on various portions of the component to be machined synchronously.

5. (Original) A method in accordance with Claim 1, wherein electrochemical material removal is preformed on various portions of the component to be machined separately.

6. (Original) A method in accordance with Claim 1, wherein the linear oscillation and the linear feed are performed by the component to be machined and the circular oscillation and the circular feed are performed by the electrode.

7-15. (Cancelled)